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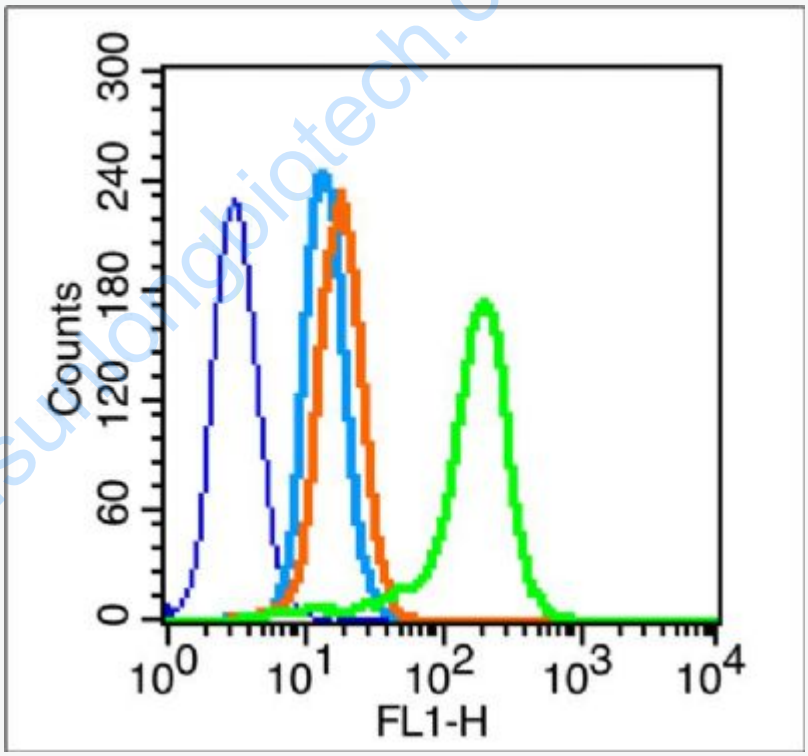
Rabbit Anti-CXCL2 antibody

SL20208R

Product Name:	CXCL2
Chinese Name:	巨噬细胞炎症蛋白2（GRO β）抗体
Alias:	C-X-C motif chemokine 2; Chemokine (C X C motif) ligand 2; Chemokine, CXC motif, ligand 2; CINC 2a; CINC2a; CINC3; CXC chemokine; CXCL 2; CXCL2; MIP2; MIP 2; MIP-2; Cytokine-induced neutrophil chemoattractant 3; GRO 2; GRO b; GRO protein, beta; Gro-beta; GRO2; GRO2 oncogene; GROb; GRObeta; GRO Beta; Growth regulated protein beta; GROX; Macrophage inflammatory protein 2 alpha; Macrophage inflammatory protein 2; Melanoma growth stimulatory activity beta; MGSA b; MGSA beta; MGSAbeta; MIP 2; MIP 2a; MIP2 alpha; MIP2; MIP2A; MIP2alpha; SCYB 2; Scyb; SCYB2; Small inducible cytokine subfamily B, member 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	12kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CXCL2:71-107/107
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

Product Detail:	GRO beta is a member of the CXC, or chemokine class. It contains the ELR domain immediately preceding the first cysteine residue near the amino terminus. Other chemokines in this group include IL8, GRO alpha/beta/gamma, mouse KC, ENA78, GCP2, PBP/CTAPIII/beta TG/NAP2. These chemokines act primarily on neutrophils as chemoattractants and activators, including neutrophil degradation with release of myloperoxidase and other enzymes. GRO beta was originally identified as a heparin-binding protein secreted from a murine macrophage cell line in response to endotoxin stimulation. GRO beta is an approximately 8 kDa polypeptide of 73 amino acids. The precursor form of GRO beta consists of 100 amino acids. To generate the mature GRO beta, the precursor cleaves its amino terminal 27 amino acids. GRO beta shows 60% amino acid homology to human GRO alpha and GRO gamma. **Function:** Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematoregulatory chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta(5-73) shows a highly enhanced hematopoietic activity. **Subcellular Location:** Secreted. **Post-translational modifications:** The N-terminal processed form GRO-beta(5-73) is produced by proteolytic cleavage after secretion from bone marrow stromal cells. **Similarity:** Belongs to the intercrine alpha (chemokine CxC) family. **SWISS:** P19875 **Gene ID:** 2920 **Database links:** Entrez Gene: 2920 Human Entrez Gene: 20310 Mouse Entrez Gene: 114105 Rat SwissProt: P19875 Human SwissProt: P10889 Mouse

	SwissProt: P30348 Rat Unigene: 75765 Human Unigene: 10230 Rat Omim: 139110 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Blank control (blue line): A549 (blue). Primary Antibody (green line): Rabbit Anti-CXCL2 antibody(SL20208R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG .

	Secondary Antibody (white blue line): F(ab')2 fragment goat anti-rabbit IgG-FITC. Dilution: 1μg /test. Protocol The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature.Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.